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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,972	11/27/2001	William Albert Charette	600.1064DIV	2945
23280	7590	03/25/2004	EXAMINER	
DAVIDSON, DAVIDSON & KAPPEL, LLC 485 SEVENTH AVENUE, 14TH FLOOR NEW YORK, NY 10018			YAN, REN LUO	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 03/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/994,972	Applicant(s) CHARETTE ET AL.	
	Examiner Ren L Yan	Art Unit 2854	<i>AW</i>

-- Th MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 13 is/are pending in the application.
- 4a) Of the above claim(s) 13 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

The response and arguments filed on 1-23-2004 have been received and entered. Upon reconsideration, the rejection set forth in the previous Office action is hereby withdrawn and a new rejection is in the following:

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brandenburg et al(5,988,063) in view of Puschnerat(5,950,538). The patent to Brandenburg et al teaches the printing unit arrangement as claimed including, as shown in Fig. 1, a printing machine having a plurality of web fed rotary printing units 13-16 each having first and second plate cylinders 21 and their associated first and second blanket cylinders 22. The printing units are aligned horizontally along the web running direction so as to print multicolor images on both sides of the web. The plate cylinders and blanket cylinders of each of the printing units 13-16 are mechanically coupled to each other and being commonly driven by an assigned drive motor(4-7), respectively. A central control 23 is provided to synchronize the rotational speed of the various motors of the printing machine. However, Brandenburg et al do not teach a printing unit in which a first plate cylinder is driven by its own drive motor and a second plate cylinder and a first and second blanket cylinders are driven by a common drive motor as recited. The patent to Puschnerat teaches in a similar web fed rotary printing unit having first and second plate cylinder

Art Unit: 2854

3 and 2 and first and second blanket cylinders 6 and 4 arranged in a same way as in the present invention. Plate cylinder 2 and blanket cylinders 4 and 6 are mechanically coupled together and driven by a common drive motor 26 while plate cylinder 3 is provided with its own drive motor 27 such that plate cylinder 3 can be taken out of engagement with its associated blanket cylinder to facilitate a printing plate exchange without having to stop the entire printing unit. See Figs. 1 and 2, column 2, lines 5-16 and column 3, lines 46 through 57 in Puschnerat for example. In view of the teaching of Puschnerat, it would have been obvious to those having ordinary skill in the art to provide at least one of the printing units of Brandenburg et al with the two motor drive structure appropriately disposed as taught by Puschnerat so as to facilitate the plate exchange operation without stopping the printing operation of the printing units. With respect to claim 2, to provide another printing unit in the printing units of Brandenburg et al with the two motor drive structure to enable plate exchange on the fly as taught by Puschnerat would have been obvious to those having ordinary skill in the art. It is well known in the printing art that when a printing plate on a plate cylinder needs to be changed, this plate cylinder will be disengaged from its associated blanket cylinder in order to enable the printing plate exchange to take place. Fig. 2 of Puschnerat shows by dash lines the movement of the cylinders relative to each other so as to enable plate exchange, among other purposes. When one of the plate cylinders in each of the printing units is driven by its own motor and these motors can be individually controlled, to engage or disengage the plate cylinders with their associated blanket cylinders in order to enable plate exchange operations whenever is desired would have been obvious to one of ordinary skill in the art. Regarding claims 3 and 4, the printing unit arrangement of Brandenburg et al, as

Art Unit: 2854

modified by Puschnerat do provide more of the same printing units as recited in order to print more colors on the web.

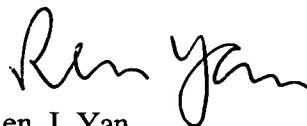
Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Brandenburg et al in view of Puschnerat as applied to claim 1 above, and further in view of Schmitt(5,640,906). Brandenburg et al, as modified by Puschnerat teach all that is claimed except for the printing units being stacked vertically. Schmitt teaches in a multicolor web-fed printing machine of a similar type the conventionality of stacking the printing units 6 vertically. See Figs. 1 and 7 in Schmitt for example. It would have been obvious to those having ordinary skill in the art to provide the printing machine of Brandenburg et al, as modified by Puschnerat with the printing units stacked vertically as taught by Schmitt so as to reduce the space requirement of the printing machine.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ren L Yan whose telephone number is 571-272-2173. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2854

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Ren Yan", with a stylized flourish at the end.

Ren L Yan  
Primary Examiner  
Art Unit 2854

Ren Yan  
March 18, 2004